

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
11 August 2005 (11.08.2005)

PCT

(10) International Publication Number
WO 2005/073103 A1

(51) International Patent Classification⁷: **B65D 51/28**

(21) International Application Number:
PCT/KR2005/000310

(22) International Filing Date: 2 February 2005 (02.02.2005)

(25) Filing Language: Korean

(26) Publication Language: English

(30) Priority Data:
10-2004-0006676 2 February 2004 (02.02.2004) KR
10-2004-0021254 29 March 2004 (29.03.2004) KR
10-2004-0041543 7 June 2004 (07.06.2004) KR
10-2004-0109075
20 December 2004 (20.12.2004) KR

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant and
(72) Inventor: **CHO, Young-Kook** [KR/US]; 3803, Swallow View NE, Marietta, GA 30066 (US).

(74) Agent: **KANG, Jung-man**; #401, BYC Bldg., 648-1 Yeoksam-dong, Kangnam-gu, Seoul 135-911 (KR).

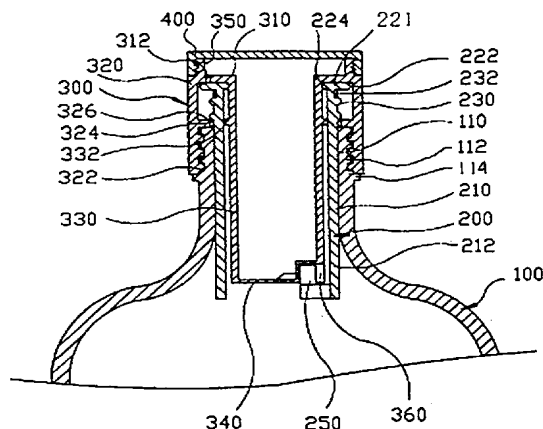
(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM,

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: BOTTLE CAP



(57) Abstract: A bottle cap, fastened to a bottle body having a mouth with an external thread formed around the outer circumferential surface of the mouth, is disclosed. The bottle cap includes an opening unit inserted into the mouth and open at upper and lower ends thereof, with a cutting unit provided in a lower portion of the opening unit; an additive storage container having a main cap fastened to the mouth, and an additive storage part inserted into the opening unit, with a recess provided at the lower end of the additive storage part to receive therein the cutting unit, and a breakable part integrated with the lower end of the additive storage part to be cut by the cutting unit during rotation; and an upper cap which opens or closes the upper end of the additive storage container.

WO 2005/073103 A1